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AMENDMENTS TO THE CLAIMS

1-2. (Cancelled)

3. (Currently amended) A trackball for inputting operation information to electronic devices, said trackball comprising:

a ball portion which is magnetically coupleable in directions of a first axis, a second axis, and a third axis, the first, second and third axes intersecting with each other at the center of said ball portion and being orthogonal to each other, The trackball according to claim 2, wherein said ball portion comprises comprising first to third bar members arranged on the first to third axes, respectively, and being made of an unmagnetized magnetic material; wherein:

a case portion for enclosing said ball portion such that an upper portion of said ball portion is exposed;

a first magnet portion for stabilizing said ball portion at predetermined rotation angles by magnetically coupling to said ball portion in one of the axial directions, said first magnet portion allowing each of any two axes among the first to third axes which are present on the same plane to serve as a rotation axis of said ball portion; and

a second magnet portion for attracting said ball portion in a direction orthogonal to a rotation axis of said ball portion, by magnetically coupling to said ball portion in an axial direction of one axis which is not present in the same plane and which is other than the any two axes among the first to third axes, wherein;

said first magnet portion comprises:

a first fixed magnet portion made up of a pair of first magnets for forming a first rotation axis by magnetically coupling to said first bar member, said first magnets being respectively fixed to side-surfaces of said case portion; and

a second fixed magnet portion made up of a pair of second magnets for forming a second rotation axis by magnetically coupling to said third bar member, said third magnets being respectively fixed to side-surfaces of said case portion;

said second magnet portion comprises a third fixed magnet portion for attracting said second bar member by magnetically coupling to said second bar member, said third fixed magnet portion being fixed to a bottom-surface of said case portion;

said first and second fixed magnet portions each have a common pole directed toward a center of said ball portion; and

said third fixed magnet portion has a pole opposite to that of said first and second fixed magnet portions directed toward the center of said ball portion.

4. (Previously presented) The trackball according to claim 3, wherein said ball portion further comprises an even number of bar members arranged on an even number of axes, respectively, and made of an unmagnetized magnetic material, the even number of axes intersecting at an intersection point of any two axes among the first to third axes which are present on the same plane, and at equal angles.

5. (Previously presented) The trackball according to claim 3, wherein said case portion is made of an unmagnetized magnetic material.

6. (Currently amended) The trackball according to ~~claim 2~~claim 3, further comprising a third magnet portion arranged at a location that makes a predetermined angle from any one of rotation axes formed by said first magnet portion, said third magnet portion being operable to stabilize said ball portion by magnetic coupling when said ball portion rotates around the any one of rotation axes.

7. (Previously presented) The trackball according to claim 6, further comprises magnetic force switching means for switching between a presence and absence of a magnetic force of said third magnet portion.

8. (Previously presented) The trackball according to claim 7, wherein said magnetic force switching means is for performing the switching in accordance with control parameters of the electronic devices.

9. (Currently amended) The trackball according to ~~claim 1~~claim 3, wherein the magnetic force of said second magnet portion is greater than that of each magnet in said first magnet portion.

10. (Previously presented) The trackball according to claim 9, wherein the magnetic force of said second magnet portion is twice that of each magnet in said first magnet portion.

11. (Currently amended) The trackball according to ~~claim 1~~ claim 3, wherein:
said ball portion is magnetically coupleable in directions of a plurality of axes on a plane made up of the first and second axes, the plurality of axes intersecting at an intersection point of the first and second axes; and
said case portion is operable to expose the upper portion of said ball portion so as to restrict a rotation angle of said ball portion.

12. (Previously presented) The trackball according to claim 11, wherein:
the plurality of axes are even in number;
said ball portion comprises:
first and second bar members arranged on the first and second axes,
respectively, and made of an unmagnetized magnetic material; and
an even number of a plurality of bar members arranged on the plurality of axes, respectively, and made of an unmagnetized magnetic material;
said first bar member, said second bar member, and said plurality of bar members are arranged with an equal angle therebetween; and
said case portion is operable to expose the upper portion of said ball portion such that said ball portion rotates at an angle corresponding to an angle between said bar members.

13. (Currently amended) An in-vehicle device controller comprising a trackball for inputting operation information to electronic devices mounted on a vehicle, wherein said trackball comprises:

a ball portion which is magnetically coupleable in directions of a first axis, ~~and a second axis, and a third axis,~~ the first, ~~and second, and third~~ axes intersecting with each other at the center of said ball portion and being orthogonal to each other, said ball

portion comprising first to third bar members arranged on the first to third axes, respectively, and being made of an unmagnetized magnetic material;

a case portion for enclosing said ball portion such that an upper portion of said ball portion is exposed;

a first magnet portion for stabilizing said ball portion at predetermined rotation angles by magnetically coupling to said ball portion in one of the axial directions, said first magnet portion allowing each of any two axes among the first to third axes which are present on the same plane to serve as a rotation axis of said ball portion; and

a second magnet portion for attracting said ball portion in a direction orthogonal to a rotation axis of said ball portion, by magnetically coupling to said ball portion in an axial direction of one axis which is not present in the same plane and which is other than the any two axes among the first to third axes, wherein ball portion, by magnetically coupling to said ball portion in the other one of the axial directions.

said first magnet portion comprises:

a first fixed magnet portion made up of a pair of first magnets for forming a first rotation axis by magnetically coupling to said first bar member, said first magnets being respectively fixed to side-surfaces of said case portion; and

a second fixed magnet portion made up of a pair of second magnets for forming a second rotation axis by magnetically coupling to said third bar member, said third magnets being respectively fixed to side-surfaces of said case portion.

said second magnet portion comprises a third fixed magnet portion for attracting said second bar member by magnetically coupling to said second bar member, said third fixed magnet portion being fixed to a bottom-surface of said case portion;

said first and second fixed magnet portions each have a common pole directed toward a center of said ball portion; and

said third fixed magnet portion has a pole opposite to that of said first and second fixed magnet portions directed toward the center of said ball portion.

14. (Previously presented) The in-vehicle device controller according to claim 13, wherein said trackball is mounted on a steering-wheel portion of the vehicle.